



US00D972903S

(12) **United States Design Patent** (10) **Patent No.:** **US D972,903 S**
Hirao et al. (45) **Date of Patent:** **** Dec. 20, 2022**(54) **ADJUSTABLE WRENCH**(71) Applicant: **TONE CO., LTD.**, Osaka (JP)CN 3500565 1/2006
JP 1396883 9/2010(72) Inventors: **Motohiro Hirao**, Osaka (JP); **Akira Takenouchi**, Osaka (JP)

(Continued)

(73) Assignee: **TONE CO., LTD.**, Osaka (JP)(**) Term: **15 Years**(21) Appl. No.: **29/772,292**

JP Patent Office, The First Department of Examination, Prior Art Search Report, includes English language translation, dated Dec. 15, 2020, 4 pp., for corresponding Japanese Design Application 2020-018863.

(22) Filed: **Mar. 1, 2021**

(Continued)

(30) **Foreign Application Priority Data**

Sep. 4, 2020 (JP) 2020-018863

(51) **LOC (13) Cl.** **08-05**(52) **U.S. Cl.**USPC **D8/22; D8/107**(58) **Field of Classification Search**USPC D8/1, 14–17, 19, 21–29, 61, 73, 105,
D8/107, 366, 371, 372, 382, 384, 385,
D8/388, 389, 499; D23/233–250, 259;
D26/113; 81/125.1CPC .. B25B 7/02; B25B 7/04; B25B 13/08; B25B
13/10; B25B 13/12; B25B 13/14

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 117,679 A * 8/1871 Phillips B25B 13/14
-
- 81/177.1
-
- 347,580 A * 8/1886 Dean B25B 7/10
-
- 81/355
-
- D26,111 S * 9/1896 Billings D8/22
-
- D27,470 S * 8/1897 Coes B25B 13/14
-
- 81/171

(Continued)

FOREIGN PATENT DOCUMENTS

CN 3500565 1/2006
JP 1396883 9/2010

OTHER PUBLICATIONS

JP Patent Office, The First Department of Examination, Prior Art Search Report, includes English language translation, dated Dec. 15, 2020, 4 pp., for corresponding Japanese Design Application 2020-018863.

(Continued)

Primary Examiner — Rachel A. Voorhies*Assistant Examiner* — Benjamin D. Wannemacher(74) *Attorney, Agent, or Firm* — Eckert Seamans Cherin & Mellott, LLC(57) **CLAIM**

The ornamental design for an adjustable wrench, as shown and described.

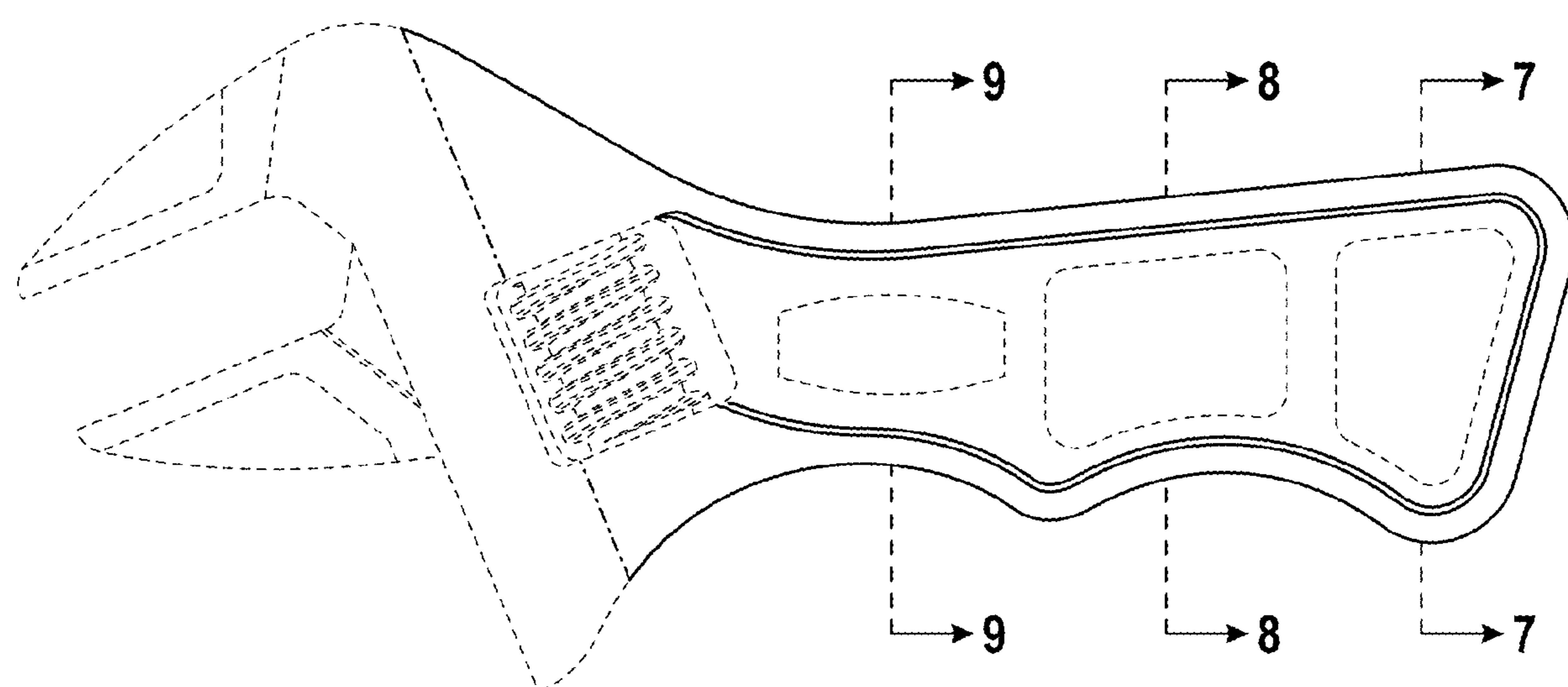
DESCRIPTION

FIG. 1 is a front elevational view of an adjustable wrench; FIG. 2 is a rear elevational view thereof; FIG. 3 is a right side elevational view thereof; FIG. 4 is a left side elevational view thereof; FIG. 5 is a top plan view thereof; FIG. 6 is a bottom plan view thereof; FIG. 7 is an end view thereof taken along line 7-7 of FIG. 1;

FIG. 8 is an end view thereof taken along line 8-8 of FIG. 1; and,

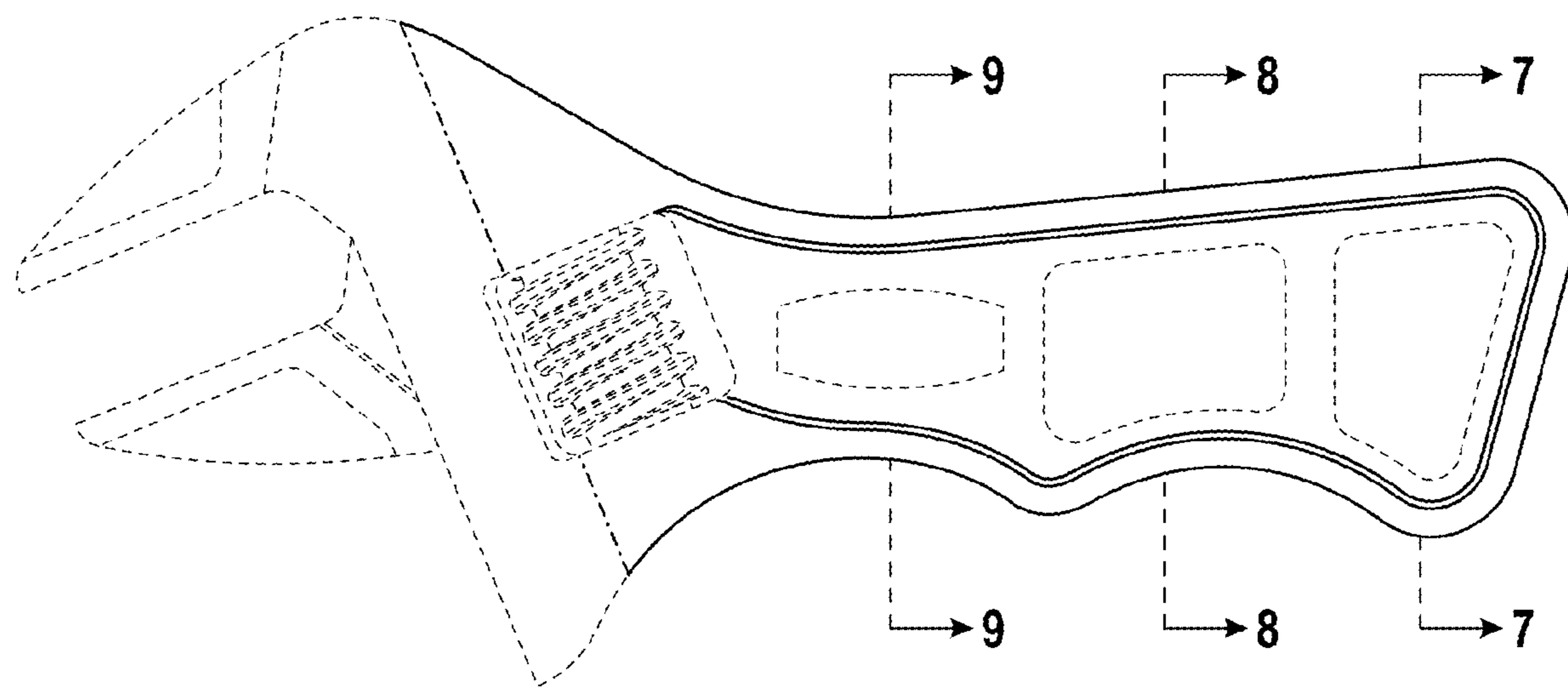
FIG. 9 is an end view thereof taken along line 9-9 of FIG. 1.

The broken lines shown in the drawing Figures illustrate portions of the adjustable wrench that form no part of the claimed design.

1 Claim, 5 Drawing Sheets

(56)	References Cited				
U.S. PATENT DOCUMENTS					
1,218,316 A *	3/1917 Rice	B25B 13/14 81/DIG. 3	2006/0086212 A1*	4/2006 Hsieh	B25B 13/14 81/186
D57,153 S *	2/1921 Safford	B25G 1/105 81/177.1	2007/0028727 A1*	2/2007 Schiller	B25G 1/105 81/177.1
1,739,715 A *	12/1929 Eckland	B25B 13/14 D8/22	2011/0259156 A1*	10/2011 Grolman	B25B 13/16 81/186
2,630,034 A *	3/1953 Bannister	B25B 7/02 81/352	2013/0145907 A1*	6/2013 Takenaka	B25B 13/14 81/170
D178,773 S *	9/1956 Fercana	B25B 13/14 D8/22	2019/0015964 A1*	1/2019 Chern	B25B 23/16
D184,280 S *	1/1959 Fercana	D8/22	2021/0046618 A1*	2/2021 Buchanan	B25B 13/14
3,015,246 A *	1/1962 Buyer	B25B 13/16 81/186	FOREIGN PATENT DOCUMENTS		
3,252,359 A *	5/1966 Bodkin	B25B 13/46 338/32 S	KR	3010075280000	5/2019
3,916,735 A *	11/1975 Evans	B25B 13/12 D8/25	KR	K1-2320	5/2019
D282,712 S *	2/1986 Rademacher	D8/51	TW	D147133 S1	5/2012
5,305,667 A *	4/1994 Caballero	B25B 13/12 81/439	OTHER PUBLICATIONS		
D351,328 S *	10/1994 Hasegawa	D8/107	Adjustable Wrench (Pocket Monkey UM48S), p. 1, UM48S (Prior Art Document number stored in the JPO's design section HC18040519), no English translation available, Oct. 18, 2006, 2 p.		
D361,703 S *	8/1995 Payne	D8/21	Adjustable Wrench (Pocket Monkey), Seikatsu Sangyo Shimbun, Jun. 11, 2003, Second Part, p. 5 (Prior Art Document number stored in the JPO's design section HC15023866), no English translation available, 2 pp.		
D362,603 S *	9/1995 Woo	D8/23	Adjustable Wrench (TWM-08), 2016 Engineer, p. 73, (Prior Art Document number stored in the JPO's design section HC28011669), no English translation available, Nov. 2, 2016, 2 p.		
D439,495 S *	3/2001 McCalla	D26/38	Adjustable Wrench downloaded from the website of Amazon. com (Prior Art Document number stored in the JPO's design section HJ20058323), Feb. 2, 2009, 3 pp.		
D478,794 S *	8/2003 Kramer	D8/22	Taiwan Intellectual Property Office, "Notice of Allowance" for corresponding Taiwanese design application No. 110301146 (including a partial English translation of same), dated Sep. 13, 2021, 5 pp.		
D494,037 S *	8/2004 Lin Wu	D8/107	Taiwan Intellectual Property Office, "Notice of Allowance" for corresponding Taiwanese design application No. 110301146 (including a partial English tranlation of same), dated Sep. 13, 2021, 5 pp.		
D547,149 S *	7/2007 Wu	D8/22			
D548,553 S *	8/2007 Hsieh	D8/22			
D549,533 S	8/2007 Pond et al.				
D552,437 S *	10/2007 Hsieh	D8/27			
D703,505 S *	4/2014 Abel	D8/28			
D711,709 S *	8/2014 Abel	D8/28			
D713,224 S	9/2014 Smith				
D714,112 S *	9/2014 Robinson	D8/22			
D716,622 S	11/2014 Huang				
D858,232 S	9/2019 Gehrke				
2004/0123702 A1*	7/2004 Wu	B25B 23/105 81/170			
2005/0223853 A1*	10/2005 Wu	B25G 1/00 81/119			

* cited by examiner

**FIG. 1**

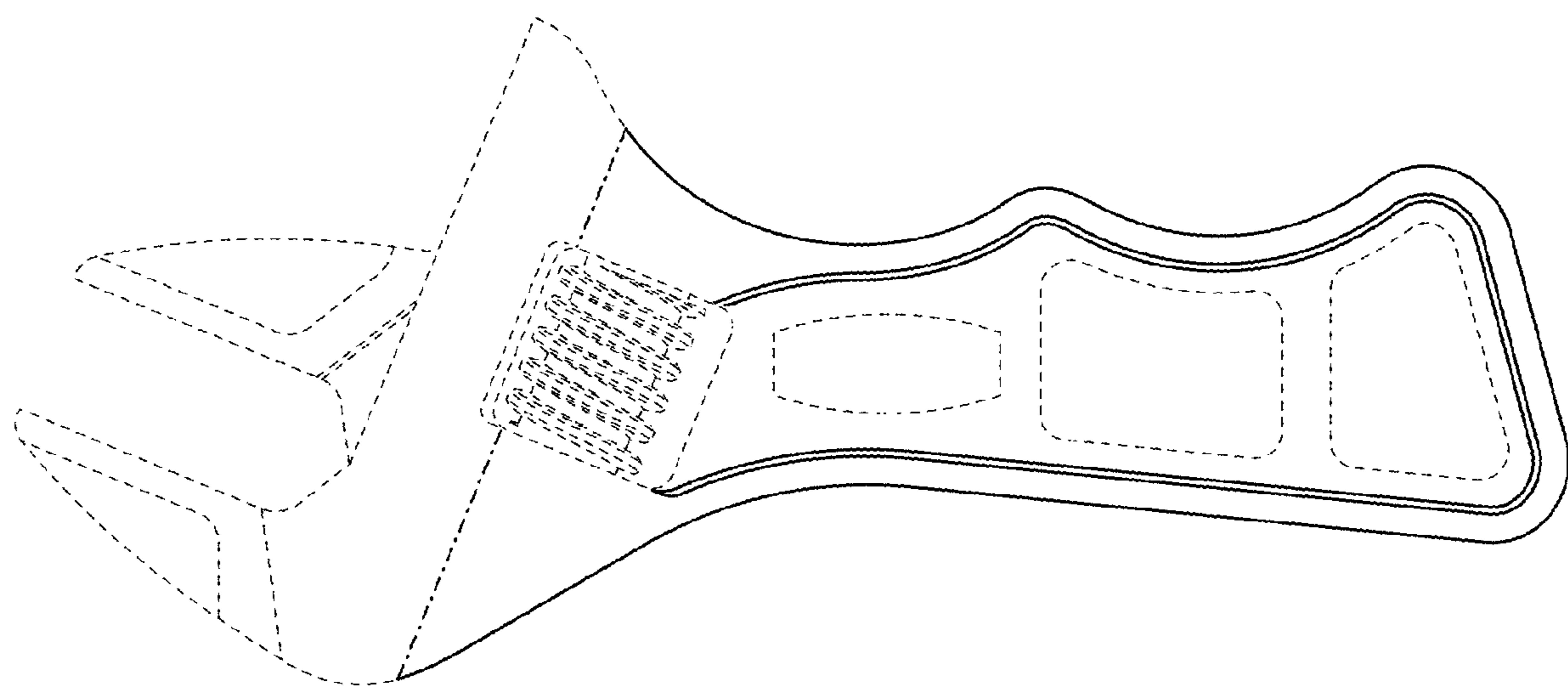


FIG. 2

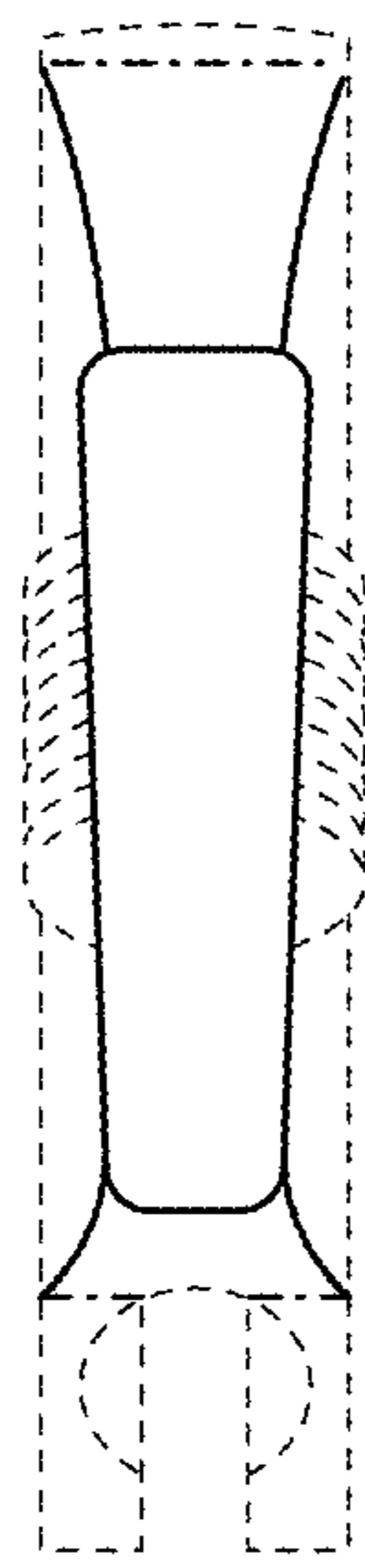


FIG. 3



FIG. 4

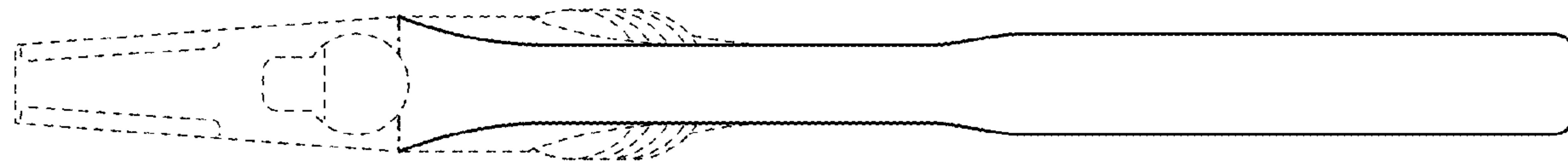


FIG. 5

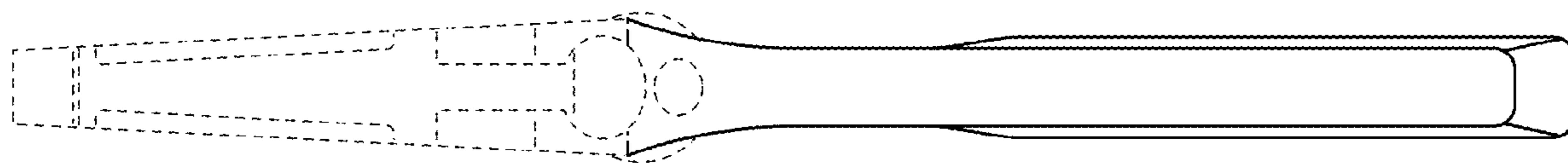


FIG. 6

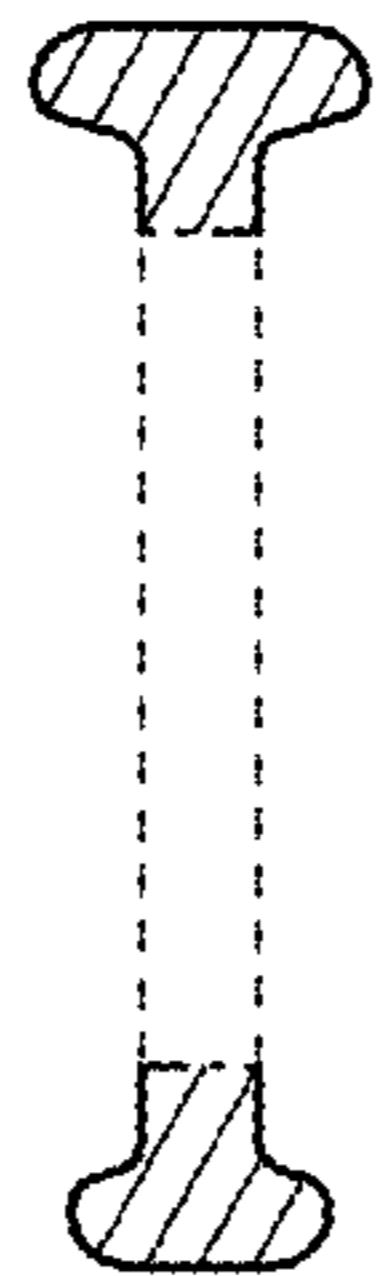


FIG. 7

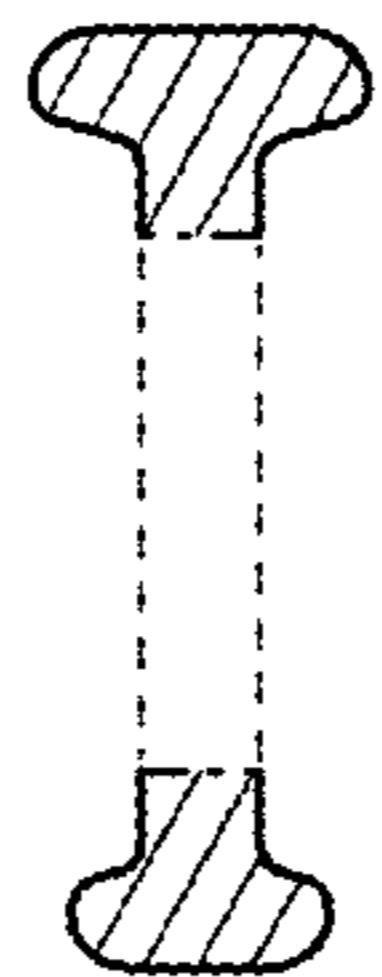


FIG. 8

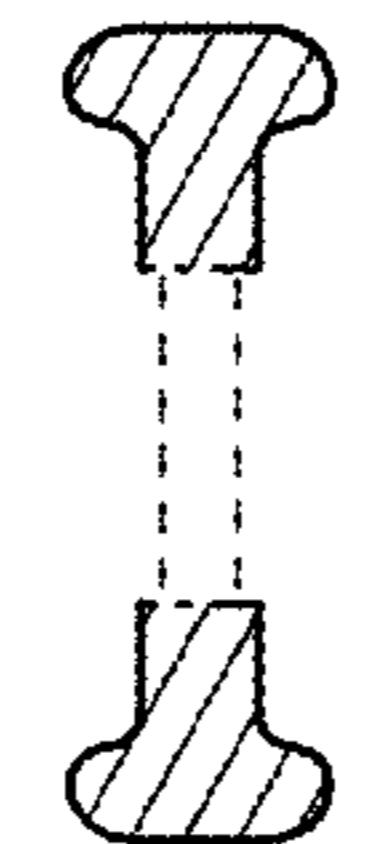


FIG. 9